Solvent	Dilution (D) and Washing (W)	Yield(%)	N_9 – N_7 Isomers	Temp	NaOH
DMF	D: Toluene W: Toluene/Acetone	96%	N_9-(79%); N_7-(18%)	160^{0}C	+
DMF	D: Toluene W: Toluene/Acetone	93%	N_9-(77%); N_7-(19%)	150^{0}C	+
DMF	D: Toluene W: Toluene/Acetone, crystallize	70%	N_9-(97%); N_7-(1.5%) Crystals from EtOH	160^{0}C	+
DMF	D: Toluene W: Toluene/EtOH(cold)	67%	N_9-(91%); N_7-(3.3%)	150^{0}C	+
DMF	D: Toluene W: Toluene/Acetone, crystallize	56%	N_9-(98%); N_7-(1.56%) Crystals from EtOH	130^{0}C	NaOEt
DMF	D: Toluene W: Toluene/EtOH(cold)	95%	N_9-(55%); N_7-(12%) Un-reacted starting	160^{0}C	-
DMF	D: Toluene W: Toluene/EtOH(cold)	70%	N_9-(83%); N_7-(6%)	150^{0}C	-
DEF	D: Toluene W: Toluene/EtOH(cold)	89%	N_9-(77%); N_7-(21%)	150^{0}C	+
DMA	D: Toluene W: Toluene/EtOH(cold)	70%	N_9-(85%); N_7-(6%)	150^{0}C	+
DMA	D: Toluene W: Toluene/EtOH(cold)	84%	N_9-(73%); N_7-(19.5%)	150^{0}C	-

Table 1

Figure 1

Solvent	Dilution (D) and Washing (W)	Yield(%)	$N_9 - N_7$ Isomers	Temp	NaOH
DMA	D: None, evaporated to dryness and t-BME added W: t-BME	100%	N_9-(76%); N_7-(20%)	150^{0}C	+
DMA	D: None, evaporated to dryness and CH_3CN added W: CH_3CN	92%	N_9-(80%); N_7-(16%)	150^{0}C	+
DMA	D: None, evaporated to dryness and EtOH added W: EtOH	67%	N_9-(90%); N_7-(4%)	150^{0}C	+
DMA	D: None, evaporated to dryness and IPA added W: IPA	84%	N_9-(92%); N_7-(3%)	150^{0}C	+
DMA	D: None, evaporated to dryness and IPA/CH3CN (1:1) added W: IPA/CH3CN (1:1)	91%	N_9-(95.25%); N_7-(2.49%)	150^{0}C	+
DMA	D: Evaporated to half in volume and Toluene added W: Toluene/ EtOH(cold)	87%	N_9-(76%); N_7-(12%)	160^{0}C	+
DMA	D: Evaporated to half in volume and Toluene added W: Toluene/ EtOH(cold)	89%	N_9-(68%); N_7-(15%)	140^{0}C	+

Table 2

Figure 2

Solvent	Dilution (D) and Washing (W)	Yield(%)	$N_9 - N_7$ Isomers	Temp	Cat
DMA	D: CH_3CN W: CH_3CN	94%	N_9-(88%); N_7-(11%)	150^{0}C	+
DMA	D: EtOAc W: EtOAc	89%	N_9-(90%); N_7-(8%)	150^{0}C	+
DMA	D: Toluene W: Toluene/EtOH (cold)	95%	N_9-(92%); N_7-(7.5%)	150^{0}C	+
DMA	D: Toluene W: IPA (cold)	97%	N_9-(86%); N_7-(13%)	150^{0}C	+
DMA	D: IPA W: IPA (cold)	91%	N_9-(97%); N_7-(1.34%)	150^{0}C	+
DMA	D: IPA W: IPA	87%	N_9-(97%); N_7-(1.15%)	160^{0}C	+
DMA	D: IPA W: IPA	82%	N_9-(98%); N_7-(0.96%)	140^{0}C	+
DMA	D: t-BME W: IPA	87%	N_9-(95.4%); N_7-(2.78%)	150^{0}C	+
DMF	D: Toluene W: Toluene/EtOH (cold)	93%	N_9-(91%); N_7-(3%)	Reflux	+

Table 3

Figure 3